

SCAN. ★ T01 T04 91-353981/48 ★ WO 9117-524-A
 Smart card validation device esp. for cash substitute use - has
 encryption sequence utilising single user key together with
 validation data accessed from protected memory

SCANDIC INT PTY LTD 27.04.90-AU-008863

(14.11.91) G06f-12/14 G06k-19/07

26.04.91 as AU0184 (2181MN) (E) FR2645303 EP-409701 WO9015382
 US4885788 US4849614 US4684791 N(AT AU BB BG BR CA CH DE DK
 ES FI GB HU JP KR LK LU MC MG MW NL NO PL RO SD SE SU
 US) R(AT BE CH DE DK ES FR GB GR IT LU NL SE OA)

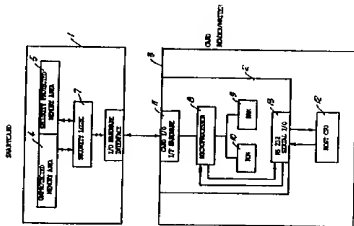
A validation device (2) for a smart card (1) is of the type which has
 unprotected (4) and protected (5) data storage memory, the latter
 selectively accessible by use of a user access code. The device (2)
 performs encryption on identification data to produce the user
 access code and accesses the unprotected memory for additional
 identifiers to encrypt.

The access code is then supplied to the smart card to access
 selected data from the protected memory to obtain validation data.
 A comparator (8) compares the identification and validation data,
 only granting further access if a match is obtained.

ADVANTAGE - Does not require management of multiple user
 keys, so preventing information falling into hands of unauthorised
 users. (16pp Dwg.No.1/4)

N91-271084

T1-C T1-H1B T1-D T1-H1C T4-K



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